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FILE COVERS 1907 - 4 Jan 2006 VOL 144 ISS 2
 FILE LAST UPDATED: 3 Jan 2006 (20060103/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d stat que
 L1 727 SEA FILE=REGISTRY ABB=ON PLU=ON POLYAMIDES OR NYLON OR NYLONS OR POLYACETAL OR POLYACETALS
 L2 471 SEA FILE=REGISTRY ABB=ON PLU=ON CARBOXYLIC ACID?/CN OR SULFONIC ACID?/CN OR (SULFONE OR SULPHONE) (L) AMIDE?
 L3 269 SEA FILE=REGISTRY ABB=ON PLU=ON PERMETHRIN OR PYRETHRIN? OR PYRETHROI?
 L4 15263 SEA FILE=REGISTRY ABB=ON PLU=ON INORGANIC(L) FIBER OR FIBROUS OR TITANATE OR TITANIA OR SILICA OR WOLLASTONIT? OR ZONO?
 L5 198084 SEA FILE=HCAPLUS ABB=ON PLU=ON L1 OR POLYAMIDE OR NYLON OR NYLONS OR POLYACETAL OR POLYACETALS
 L6 289693 SEA FILE=HCAPLUS ABB=ON PLU=ON L2 OR (CARBOXYLIC OR SULFONIC OR SULPHONIC) (W) ACID? OR (SULFONE OR SULPHONE) (L) AMIDE?
 L7 16709 SEA FILE=HCAPLUS ABB=ON PLU=ON L3 OR PERMETHRIN OR PYRETHRIN? OR PYRETHROI?
 L8 1099753 SEA FILE=HCAPLUS ABB=ON PLU=ON L4 OR INORGANIC(L) FIBER OR FIBROUS OR TITANATE OR TITANIA OR SILICA OR WOLLASTONIT? OR ZONO?
 L9 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6 AND L7 AND L8

=>
 => d ibib abs hitstr l9 1-3

L9 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:141200 HCAPLUS
 DOCUMENT NUMBER: 142:254568
 TITLE: Methods and compositions for increasing the efficacy of biologically-active ingredients such as antitumor agents
 INVENTOR(S): Windsor, J. Brian; Roux, Stan J.; Lloyd, Alan M.; Thomas, Collin E.
 PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA
 SOURCE: PCT Int. Appl., 243 pp, CODEN: PIXXD2

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014777	A2	20050217	WO 2003-US32667	20031016
WO 2005014777	A3	20050915		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2502148	AA	20050217	CA 2003-2502148	20031016
EP 1576150	A2	20050921	EP 2003-816736	20031016
EP 1576150	A3	20051102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				

PRIORITY APPLN. INFO.: US 2002-418803P P 20021016
 WO 2003-US32667 W 20031016

AB The invention provides methods and compns. for modulating the sensitivity of cells to cytotoxic compds. and other active agents. In accordance with the invention, compns. are provided comprising combinations of ectophosphatase inhibitors and active agents. Active agents include antibiotics, fungicides, herbicides, insecticides, chemotherapeutic agents, and plant growth regulators. By increasing the efficacy of active agents, the invention allows use of compns. with lowered concns. of active ingredients.

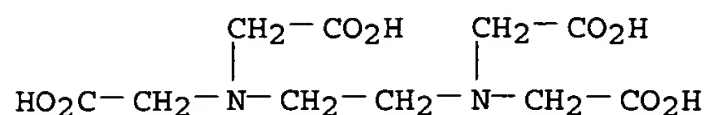
IT **7631-86-9, Silica**, biological studies
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (crystalline-fused; methods and compns. for increasing efficacy of biol.-active ingredients such as antitumor agents)

RN 7631-86-9 HCAPLUS
 CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

O=Si=O

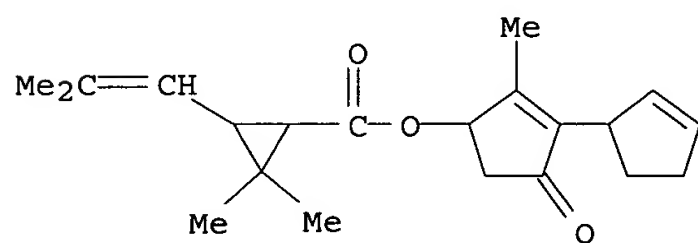
IT **60-00-4**, biological studies **97-11-0 121-21-1**
121-29-9 139-33-3 1318-00-9, Vermiculite
 (Mg_{0.33}[Mg₂₋₃(Al₀₋₁Fe₀₋₁)₀₋₁](Si_{2.33-3.33}Al_{0.67-1.67})(OH)₂O_{10.4}H₂O)
1343-88-0 1343-98-2, Silicic acid **1344-09-8**
1344-28-1, Aluminum oxide (Al₂O₃), biological studies
10279-57-9 13463-67-7, Titanium oxide (TiO₂), biological studies **28434-01-7 52315-07-8 52645-53-1**
54774-45-7 62449-69-8 64491-92-5
66841-24-5 67375-30-8 71697-59-1
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (methods and compns. for increasing efficacy of biol.-active ingredients such as antitumor agents)
 RN **60-00-4** HCAPLUS

CN Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)- (9CI) (CA INDEX NAME)



RN 97-11-0 HCAPLUS

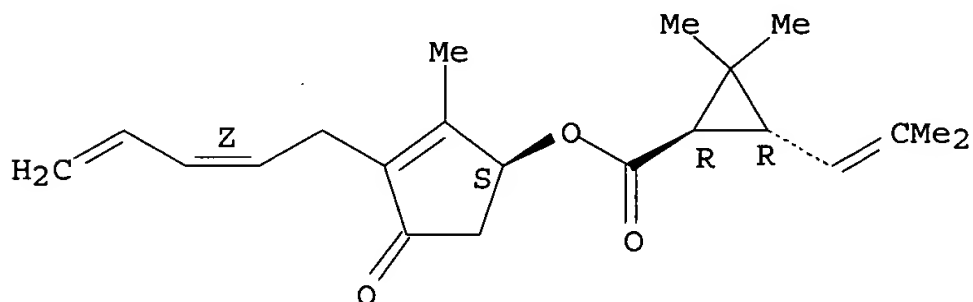
CN Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, 3-(2-cyclopenten-1-yl)-2-methyl-4-oxo-2-cyclopenten-1-yl ester (9CI) (CA INDEX NAME)



RN 121-21-1 HCAPLUS

CN Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, (1S)-2-methyl-4-oxo-3-(2Z)-2,4-pentadienyl-2-cyclopenten-1-yl ester, (1R,3R)- (9CI) (CA INDEX NAME)

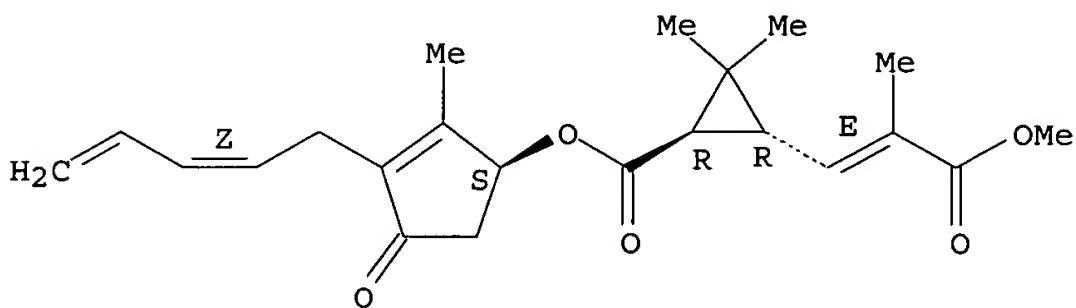
Absolute stereochemistry.
Double bond geometry as shown.



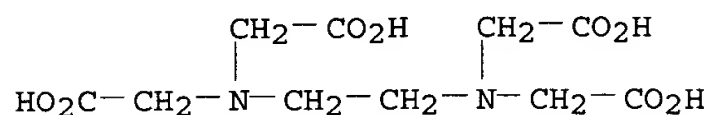
RN 121-29-9 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1E)-3-methoxy-2-methyl-3-oxo-1-propenyl]-2,2-dimethyl-, (1S)-2-methyl-4-oxo-3-(2Z)-2,4-pentadienyl-2-cyclopenten-1-yl ester, (1R,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



RN 139-33-3 HCAPLUS
 CN Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, disodium salt (9CI)
 (CA INDEX NAME)



●2 Na

RN 1318-00-9 HCAPLUS
 CN Vermiculite (Mg_{0.33}[Mg₂₋₃(Al₀₋₁Fe₀₋₁)₀₋₁](Si_{2.33-3.33}Al_{0.67-1.67})(OH)₂O_{10.4}H₂O) (9CI) (CA INDEX NAME)

CM 1

CRN 122872-60-0
 CMF Al . Fe . H O . Mg . O₃ Si . O
 CCI TIS

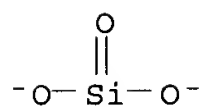
CM 2

CRN 17778-80-2
 CMF O

O

CM 3

CRN 15593-90-5
 CMF O₃ Si



CM 4

CRN 14280-30-9
 CMF H O

OH⁻

CM 5

CRN 7439-95-4

CMF Mg

Mg

CM 6

CRN 7439-89-6

CMF Fe

Fe

CM 7

CRN 7429-90-5

CMF Al

Al

RN 1343-88-0 HCAPLUS

CN Silicic acid, magnesium salt (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 1343-98-2 HCAPLUS

CN Silicic acid (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 1344-09-8 HCAPLUS

CN Silicic acid, sodium salt (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

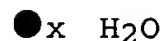
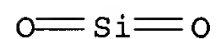
RN 1344-28-1 HCAPLUS

CN Aluminum oxide (Al₂O₃) (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

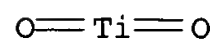
RN 10279-57-9 HCAPLUS

CN Silica, hydrate (8CI, 9CI) (CA INDEX NAME)



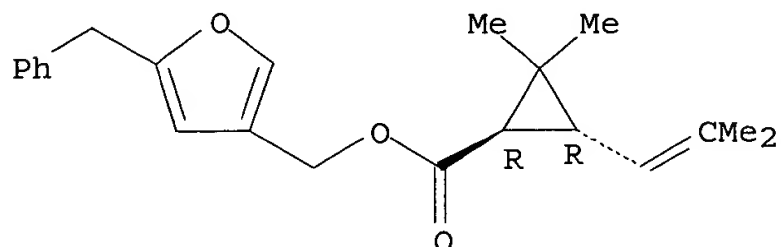
RN 13463-67-7 HCAPLUS

CN Titanium oxide (TiO₂) (8CI, 9CI) (CA INDEX NAME)

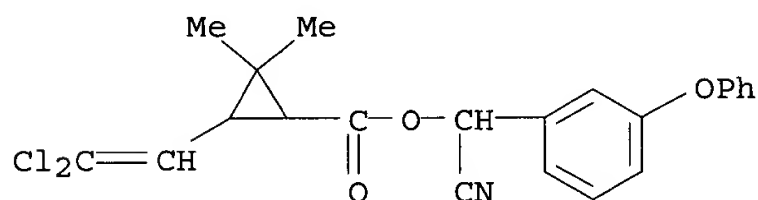


RN 28434-01-7 HCAPLUS
 CN Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, [5-(phenylmethyl)-3-furanyl]methyl ester, (1R,3R)- (9CI) (CA INDEX NAME)

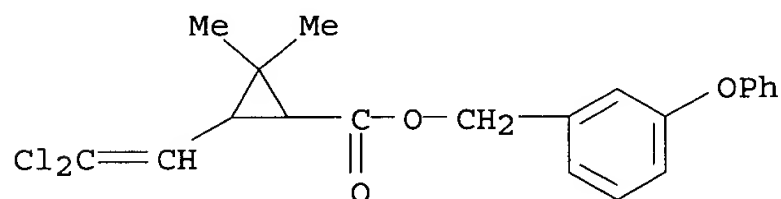
Absolute stereochemistry.



RN 52315-07-8 HCAPLUS
 CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)

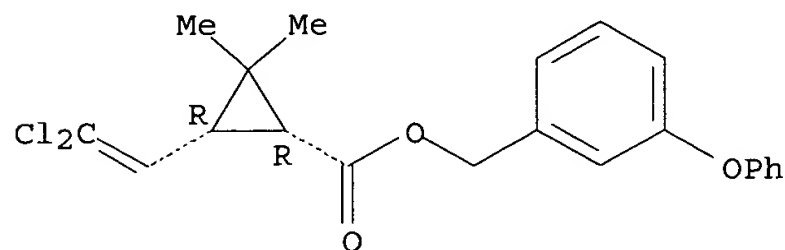


RN 52645-53-1 HCAPLUS
 CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



RN 54774-45-7 HCAPLUS
 CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester, (1R,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

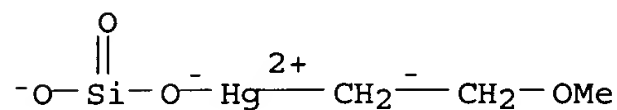


RN 62449-69-8 HCAPLUS
 CN Silicate(2-), hexafluoro-, diammonium, mixt. with silica gel (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 64491-92-5 HCAPLUS

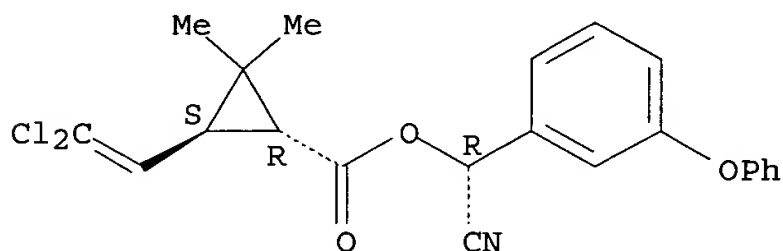
CN Mercurate(1-), [metasilicato(2-)-κO](2-methoxyethyl)-, hydrogen
(9CI) (CA INDEX NAME)



RN 66841-24-5 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,
(R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3S)- (9CI) (CA INDEX NAME)

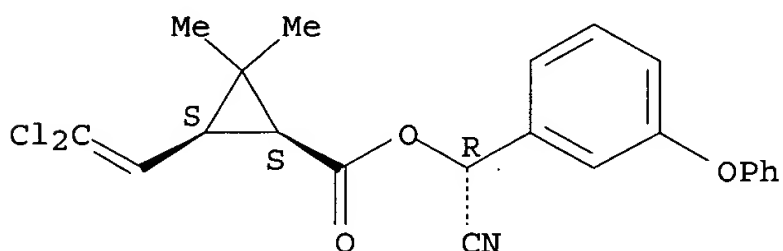
Absolute stereochemistry. Rotation (-).



RN 67375-30-8 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,
(R)-cyano(3-phenoxyphenyl)methyl ester, (1S,3S)-rel- (9CI) (CA INDEX
NAME)

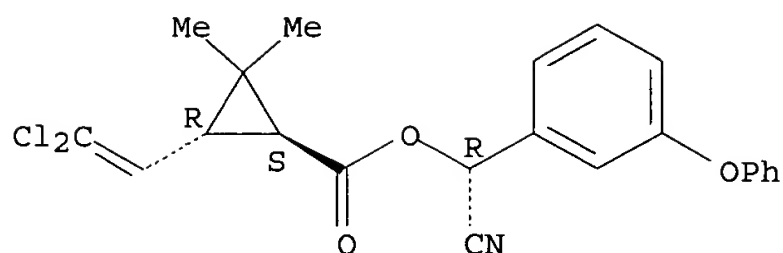
Relative stereochemistry.



RN 71697-59-1 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,
(R)-cyano(3-phenoxyphenyl)methyl ester, (1S,3R)-rel- (9CI) (CA INDEX
NAME)

Relative stereochemistry.



IT 8062-15-5, Lignosulfonic acid
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (zinc, manganese, iron salts; methods and compns. for increasing
 efficacy of biol.-active ingredients such as antitumor agents)
 RN 8062-15-5 HCAPLUS
 CN Lignosulfonic acid (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L9 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1996:383099 HCAPLUS
 DOCUMENT NUMBER: 125:47857
 TITLE: Chemical sensor with diffusion barrier
 INVENTOR(S): Parsonage, Edward E.; Debe, Mark K.
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co., USA
 SOURCE: PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT-NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9612949	A1	19960502	WO 1995-US11303	19950906
W: BR, CA, JP, KR, MX				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2201613	AA	19960502	CA 1995-2201613	19950906
EP 788597	A1	19970813	EP 1995-931731	19950906
R: DE, FR, GB, IT				
BR 9509481	A	19970930	BR 1995-9481	19950906
JP 10507831	T2	19980728	JP 1995-513886	19950906
PRIORITY APPLN. INFO.:		US 1994-328750	A	19941024
		WO 1995-US11303	W	19950906

AB A diffusion rate limited amperometric electrochem. sensor is provided.
 The sensor has at least two electrodes, an external circuit connected to
 said electrodes, an electrolyte capable of conducting ionic charge between
 electrodes, and a diffusion barrier coextensive with or covering one of
 said electrodes, said diffusion barrier being a porous membrane containing
 within the pores of the membrane a low vapor pressure liquid phase in which
 a gas to be detected is soluble Also provided are respirators, personal
 exposure indicators and environmental indicators, as well as a method of
 sensing the presence of gas in the air and a method of preparing the sensor.

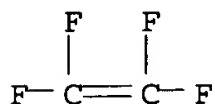
IT 9002-84-0, PTFE
 RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST
 (Analytical study); USES (Uses)
 (membrane; diffusion rate limited amperometric electrochem. gas sensor
 with porous membrane containing low vapor pressure liquid phase)
 RN 9002-84-0 HCAPLUS

CN Ethene, tetrafluoro-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 116-14-3

CMF C2 F4



IT 52645-53-1, Cooper

RL: DEV (Device component use); USES (Uses)

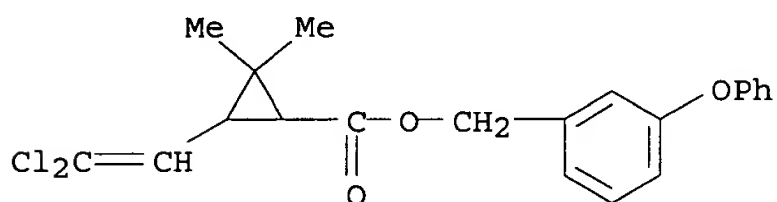
(wire contacts; hydrogen sulfide determination by amperometric gas sensor

with

porous membrane containing low vapor pressure liquid phase)

RN 52645-53-1 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,
(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



L9 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1983:56043 HCAPLUS

DOCUMENT NUMBER: 98:56043

TITLE: Stable preparation of a treatment product for a textile substrate

INVENTOR(S): Abel, Heinz; Becker, Carl; Schaefer, Paul

PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.

SOURCE: Eur. Pat. Appl., 39 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

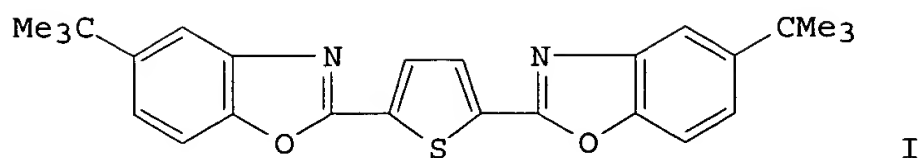
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 58637	A1	19820825	EP 1982-810054	19820208
P. AT, BE, CH, DE, FR, GB, IT, NL, SE				
US 4460374	A	19840717	US 1982-346706	19820208
JP 57149552	A2	19820916	JP 1982-19833	19820212
PRIORITY APPLN. INFO.:			CH 1981-940	A 19810212
			CH 1981-3439	A 19810526
			CH 1981-6946	A 19811030

GI



AB Stable compns. for the optical whitening of synthetic fiber materials, especially underwear and curtains, contain water-insol. optical whitening agents, a water-insol. organic solvent, a water-insol. carrier for the whitener, and optionally a solid water-insol. **carboxylic acid**, a polar organic solvent, and auxiliaries. Thus, polyester curtains were washed at 40°, rinsed, and treated for 10 min at room temperature with an aqueous liquor containing dioctyl phthalate [117-81-7] 3,

Bu benzoate [136-60-7] 25, aliphatic hydrocarbon b. 185-210° 25, benzyl alc. [100-51-6] 39.55, vinyltoluene-acrylate copolymer 7, block ethylene oxide-propylene oxide polymer [9003-11-6] 0.2, and optical brightener (I) [7128-64-5] 0.25%. The pure white curtains obtained had a soft hand.

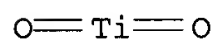
IT **13463-67-7**, uses and miscellaneous

RL: USES (Uses)

(whitening composition containing, stable aqueous, for synthetic fiber curtains and underwear)

RN 13463-67-7 HCAPLUS

CN Titanium oxide (TiO₂) (8CI, 9CI) (CA INDEX NAME)



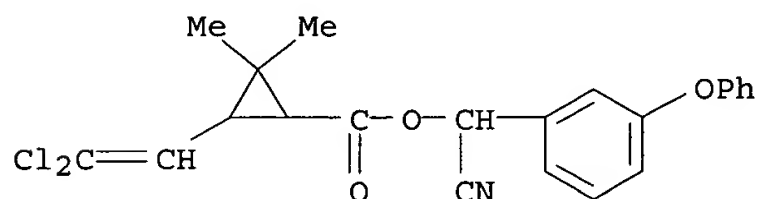
IT **52315-07-8 52645-53-1**

RL: USES (Uses)

(whitening compns. containing, stable aqueous, for synthetic fiber curtains and underwear)

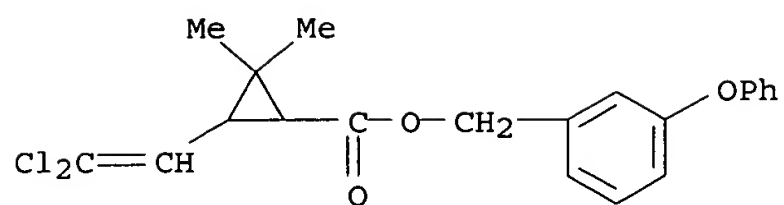
RN 52315-07-8 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



RN 52645-53-1 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



=> => d stat que

L1 727 SEA FILE=REGISTRY ABB=ON PLU=ON POLYAMIDES OR NYLON OR
 NYLONS OR POLYACETAL OR POLYACETALS
 L2 471 SEA FILE=REGISTRY ABB=ON PLU=ON CARBOXYLIC ACID?/CN OR
 SULFONIC ACID?/CN OR (SULFONE OR SULPHONE) (L)AMIDE?
 L3 269 SEA FILE=REGISTRY ABB=ON PLU=ON PERMETHRIN OR PYRETHRIN? OR
 PYRETHROI?
 L4 15263 SEA FILE=REGISTRY ABB=ON PLU=ON INORGANIC(L)FIBER OR FIBROUS
 OR TITANATE OR TITANIA OR SILICA OR WOLLASTONIT? OR ZONO?
 L5 198084 SEA FILE=HCAPLUS ABB=ON PLU=ON L1 OR POLYAMIDE OR NYLON OR
 NYLONS OR POLYACETAL OR POLYACETALS
 L6 289693 SEA FILE=HCAPLUS ABB=ON PLU=ON L2 OR (CARBOXYLIC OR SULFONIC
 OR SULPHONIC) (W)ACID? OR (SULFONE OR SULPHONE) (L)AMIDE?
 L7 16709 SEA FILE=HCAPLUS ABB=ON PLU=ON L3 OR PERMETHRIN OR PYRETHRIN?
 OR PYRETHROI?
 L8 1099753 SEA FILE=HCAPLUS ABB=ON PLU=ON L4 OR INORGANIC(L)FIBER OR
 FIBROUS OR TITANATE OR TITANIA OR SILICA OR WOLLASTONIT? OR
 ZONO?
 L9 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6 AND L7 AND L8
 L11 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6 AND L7
 L12 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 NOT L9

=> d ibib abs hitstr l12 1-2

L12 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:426233 HCAPLUS

DOCUMENT NUMBER: 142:468918

TITLE: Synergistically-effective composition of zinc
 ricinoleate and one or more substituted monocyclic
 organic compounds and use thereof for preventing
 and/or suppressing malodors

INVENTOR(S): Parekh, Prabodh P.; Nicoll, Stephen P.; Ramsammy,
 Vellidum; Colt, Kristine K.; Betz, Alison; Deshpande,
 Vikas M.; Van Kippersluis, Wijnanda Hendrika; Boden,
 Richard M.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 22 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005106192	A1	20050519	US 2003-706888	20031113
EP 1532990	A1	20050525	EP 2004-256993	20041111
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK,
HR, IS, YU

PRIORITY APPLN. INFO.: US 2003-706888 A 20031113

AB Described are synergistically-effective compns. consisting essentially of zinc ricinoleate or solns. thereof and one or more of the substituted monocyclic organic compds.: 1-cyclohexylethan-1-yl butyrate; 1-cyclohexylethan-1-yl acetate; 1-cyclohexylethan-1-ol; 1-(4'-methylethyl)cyclohexylethan-1-yl propionate; and/or 2'-hydroxy-1'-ethyl(2-phenoxy)acetate and uses of same and compns. containing same for preventing and/or suppressing malodors. Also described for the purpose of application to an inanimate laminar substantially solid surface are malodor-suppressing composition-containing stick articles containing an ester-terminated **polyamide** or an amide-terminated **polyamide** structural support polymer in combination with the aforementioned synergistically-effective zinc ricinoleate-substituted monocyclic organic compound composition Also described is a package for conveniently handling the aforementioned stick article. A deodorant stick contained fragrance 30.0, Uniclear 100-LM 69.50, 30:30:40 mixture of 1-cyclohexylethan-1-yl butyrate, 1-cyclohexylethan-1-yl acetate and 2'-hydroxy-1'-ethyl(2-phenoxy)acetate 3.00, and Tego Sorb Concentrate 6.00 parts by weight

L12 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:402732 HCAPLUS

DOCUMENT NUMBER: 129:64323

TITLE: Insect-repellent thermoplastic moldings containing dibasic acid esters and **pyrethroids**

INVENTOR(S): Tsuruoka, Masafuni; Muramatsu, Takahiro; Tada, Masahiko

PATENT ASSIGNEE(S): Daiwa Kagaku Kogyo K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10167906	A2	19980623	JP 1996-355912	19961205
PRIORITY APPLN. INFO.: OTHER SOURCE(S):			JP 1996-355912	19961205

AB Title moldings contain synergistic agents, which contain RO₂C(CH₂)_nCO₂R (R = C1-8 alkyl; n = 5-18) and 1-50 parts synthetic **pyrethroid** insecticides and are kneaded into thermoplastic resins in molten states. MC 112 (6 **nylon**) film containing 0.05% agent comprising DBS (di-Bu sebacate) 94, phenothrin 1, and piperonyl butoxide 5% showed 94.3% repellency against Dermatophagoides pteronyssinus.

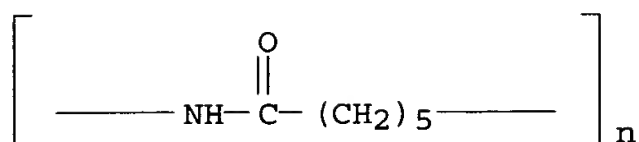
IT 25038-54-4, MC 112, uses

RL: POF (Polymer in formulation); USES (Uses)

(insect-repellent thermoplastic moldings containing dibasic acid esters and **pyrethroids**)

RN 25038-54-4 HCAPLUS

CN Poly[imino(1-oxo-1,6-hexanediyl)] (9CI) (CA INDEX NAME)



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L1 727 SEA FILE=REGISTRY ABB=ON PLU=ON POLYAMIDES OR NYLON OR
 NYLONS OR POLYACETAL OR POLYACETALS
 L2 471 SEA FILE=REGISTRY ABB=ON PLU=ON CARBOXYLIC ACID?/CN OR
 SULFONIC ACID?/CN OR (SULFONE OR SULPHONE) (L)AMIDE?
 L3 269 SEA FILE=REGISTRY ABB=ON PLU=ON PERMETHRIN OR PYRETHRIN? OR
 PYRETHROI?
 L4 15263 SEA FILE=REGISTRY ABB=ON PLU=ON INORGANIC(L)FIBER OR FIBROUS
 OR TITANATE OR TITANIA OR SILICA OR WOLLASTONIT? OR ZONO?
 L5 198084 SEA FILE=HCAPLUS ABB=ON PLU=ON L1 OR POLYAMIDE OR NYLON OR
 NYLONS OR POLYACETAL OR POLYACETALS
 L6 289693 SEA FILE=HCAPLUS ABB=ON PLU=ON L2 OR (CARBOXYLIC OR SULFONIC
 OR SULPHONIC) (W)ACID? OR (SULFONE OR SULPHONE) (L)AMIDE?
 L7 16709 SEA FILE=HCAPLUS ABB=ON PLU=ON L3 OR PERMETHRIN OR PYRETHRIN?
 OR PYRETHROI?
 L8 1099753 SEA FILE=HCAPLUS ABB=ON PLU=ON L4 OR INORGANIC(L)FIBER OR
 FIBROUS OR TITANATE OR TITANIA OR SILICA OR WOLLASTONIT? OR
 ZONO?
 L9 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6 AND L7 AND L8
 L11 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6 AND L7
 L12 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 NOT L9
 L13 7863 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6
 L14 45 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 AND (?INSECT? OR ?PESTIC?
 OR PEST(5A)GROW? OR ?MITICIDE?)
 L15 10 SEA FILE=HCAPLUS ABB=ON PLU=ON L14 AND L8
 L16 9 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 NOT (L9 OR L12)

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L16 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:510765 HCAPLUS

DOCUMENT NUMBER: 141:76369

 TITLE: Multifunctional compositions comprising polyhedral
 oligomeric silsesquioxanes (POSS) for surface cleaning
 and protection applications

 INVENTOR(S): Yang, Kaiyuan; MacDonald, John Gavin; Malik, Sohail;
 Huang, Yanbin

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 32 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004120915	A1	20040624	US 2002-324555	20021219
WO 2004060330	A2	20040722	WO 2003-US36405	20031113
WO 2004060330	A3	20041007		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
 NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
 TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

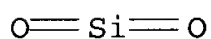
PRIORITY APPLN. INFO.: US 2002-324555 A 20021219

AB The present invention relates to the preparation of surface cleaning and protection compns. A typical embodiment of this invention may be a lotion, a soap, a cream, an aerosol, a gel, a medicinal lotion, a fabric cleanser, a furniture polish, an automobile polish, and a cleanser for other solid surfaces. The use of polyhedral oligomeric silsesquioxane (POSS) allows greater flexibility in delivering active agents to a surface as well as for surface protection from irritants. The current invention discloses compns. for a variety of applications ranging from skin care, home hygiene, health care, entertainment, and children training/education. The compns. may provide mol.-level benefits, form breathable protection layers on a surface (e.g. skin), provide UV protection, provide foaming effects or allow users (consumers) to know when or if the cleaning is complete.

IT **7631-86-9, Silica**, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (mol.; multifunctional compns. comprising polyhedral oligomeric silsesquioxanes (POSS) for surface cleaning and protection applications)

RN 7631-86-9 HCAPLUS

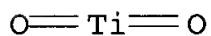
CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



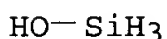
IT **13463-67-7, Titanium dioxide**, biological studies
14475-38-8, Silanol
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (multifunctional compns. comprising polyhedral oligomeric silsesquioxanes (POSS) for surface cleaning and protection applications)

RN 13463-67-7 HCAPLUS

CN Titanium oxide (TiO₂) (8CI, 9CI) (CA INDEX NAME)



RN 14475-38-8 HCAPLUS
 CN Silanol (7CI, 8CI, 9CI) (CA INDEX NAME)



L16 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:783145 HCAPLUS
 DOCUMENT NUMBER: 139:293418

TITLE: Sustained-release porous fine particles and their manufacture
 INVENTOR(S): Fujii, Naoyuki; Nakayama, Takashi
 PATENT ASSIGNEE(S): Enex Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003286196	A2	20031007	JP 2002-90755	20020328
PRIORITY APPLN. INFO.:			JP 2002-90755	20020328

AB Title particles comprise dyes, fragrant materials, **pesticides**, pharmaceuticals, etc., encapsulated by permeable substances and supported on porous fine particles, and are manufactured by soaking porous fine particles in solns. containing the dyes, etc., and permeable substances, followed by removing the solvents. Thus, SE MCB-FP/2 (porous **silica** fine particles) was impregnated with aqueous solution of Direct Blue 4BL (dye), evaporated in vacuo, impregnated with aqueous gelatin solution, and evaporated in vacuo to give porous fine particles, which released the dye much more slowly than controls without gelatin.

IT **7631-86-9**, SE MCB-FP/2, uses
 RL: AGR (Agricultural use); COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
 (porous fine particles; manufacture of sustained-release materials encapsulated by permeable substances and supported on porous fine particles)

RN 7631-86-9 HCAPLUS
 CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

O=Si=O

IT **1344-28-1**, Alumina, uses
 RL: AGR (Agricultural use); COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
 (porous fine particles; manufacture of sustained-release materials encapsulated by permeable substances and supported on porous fine particles)

RN 1344-28-1 HCAPLUS
 CN Aluminum oxide (Al2O3) (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L16 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:242218 HCAPLUS
 DOCUMENT NUMBER: 138:260398
 TITLE: Method for removing noxious substances from blood or fermentation broth using functionalized hollow fiber

adsorbers
 INVENTOR(S): Hoffmann, Michael; Horres, Roland; Hoffmann, Erika;
 Kuesters, Sabine; Erdtmann, Martin
 PATENT ASSIGNEE(S): Hemoteg G.m.b.H., Germany
 SOURCE: PCT Int. Appl., 41 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003024587	A2	20030327	WO 2002-DE3527	20020920
WO 2003024587	A3	20030710		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10147463	A1	20030417	DE 2001-10147463	20010920

PRIORITY APPLN. INFO.:

DE 2001-10147463 A 20010920

AB The invention relates to a method for producing an adsorber for removing noxious substances from full blood and/or plasma and cell culture media. The invention further relates to an adsorber in the form of hollow fibers or non-aggregated particles and to the use of said adsorber, and to a method for removing noxious substances from full blood and/or plasma using a device that comprises the adsorber according to the invention.

IT **1344-28-1**, Alumina, uses **7631-86-9**, **Silica**, uses **9002-84-0**, PTFE

RL: DEV (Device component use); NUU (Other use, unclassified); USES (Uses) (method for removing noxious substances from blood or fermentation broth using functionalized hollow fiber adsorbers)

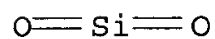
RN 1344-28-1 HCAPLUS

CN Aluminum oxide (Al₂O₃) (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 7631-86-9 HCAPLUS

CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



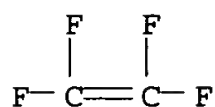
RN 9002-84-0 HCAPLUS

CN Ethene, tetrafluoro-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 116-14-3

CMF C2 F4



L16 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2001:850724 HCAPLUS
 DOCUMENT NUMBER: 135:376535
 TITLE: Composition for make-up or skin-care in a powdery form
 containing a particular binder
 INVENTOR(S): Hadasch, Anke; Lemann, Patricia; Simonnet, Jean-tierry
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1155676	A2	20011121	EP 2001-401249	20010515
EP 1155676	A3	20021218		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2808999	A1	20011123	FR 2000-6448	20000519
FR 2808999	B1	20021031		
JP 2002020236	A2	20020123	JP 2001-148415	20010517
CN 1331967	A	20020123	CN 2001-122173	20010518
US 2002041854	A1	20020411	US 2001-860567	20010521
PRIORITY APPLN. INFO.:			FR 2000-6448	A 20000519

OTHER SOURCE(S): MARPAT 135:376535

AB A make-up composition contains a powdery phase and a binding phase which a continuous aqueous phase. A binding phase contained iso-Pr myristate 1.64, castor oil 2.46, vaseline oil 12.36, liquid lanolin 1.26, water 70.95, imidazoliny l urea 0.3, glycerin 5, Acylglutamate HS-11 0.03, phytantriol 2.97, vaseline 2.28, chlorphenesine 0.25, and polyoxyethylene sorbitan monopalmitate 0.5%. A cosmetic make-up contained talc 77.06, iron oxide 2.74, Nylon powder 10, titanium oxide 1, preservative 0.2, and above binding phase 9%.

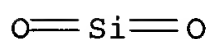
IT 7631-86-9, Silica, biological studies 9002-84-0
 , Polytetrafluoroethylene 13463-67-7, Titanium oxide, biological studies 24937-14-2, Poly(β-alanine) 25513-34-2,
 Poly(β-alanine)

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(composition for make-up or skin-care in powdery form containing particular binder)

RN 7631-86-9 HCAPLUS

CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



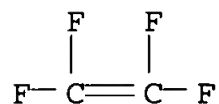
RN 9002-84-0 HCAPLUS

CN Ethene, tetrafluoro-, homopolymer (9CI) (CA INDEX NAME)

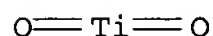
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CRN 116-14-3

CMF C2 F4

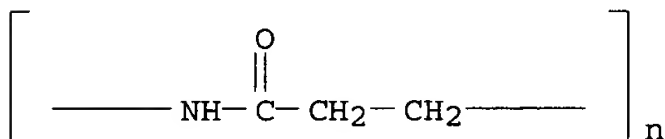


RN 13463-67-7 HCAPLUS

CN Titanium oxide (TiO₂) (8CI, 9CI) (CA INDEX NAME)

RN 24937-14-2 HCAPLUS

CN Poly[imino(1-oxo-1,3-propanediyl)] (9CI) (CA INDEX NAME)



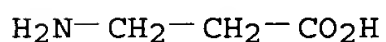
RN 25513-34-2 HCAPLUS

CN β-Alanine, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 107-95-9

CMF C3 H7 N O2



L16 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1996:724187 HCAPLUS

DOCUMENT NUMBER: 126:4221

TITLE: Method of photochemical immobilization of ligands
using quinones

INVENTOR(S): Jacobsen, Mogens Havsteen; Koch, Troels

PATENT ASSIGNEE(S): Jacobsen, Mogens, Havsteen, Den.

SOURCE: PCT Int. Appl., 98 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9631557	A1	19961010	WO 1996-DK167	19960403
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT,				

LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
SG, SI
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN
CA 2217053 AA 19961010 CA 1996-2217053 19960403
AU 9653329 A1 19961023 AU 1996-53329 19960403
AU 699321 B2 19981203
EP 820483 A1 19980128 EP 1996-909990 19960403
EP 820483 B1 20001213
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI
JP 11505554 T2 19990521 JP 1996-529895 19960403
JP 3124037 B2 20010115
AT 198079 E 20001215 AT 1996-909990 19960403
ES 2153097 T3 20010216 ES 1996-909990 19960403
PT 820483 T 20010330 PT 1996-909990 19960403
US 6033784 A 20000307 US 1997-930623 19971007
GR 3035079 T3 20010330 GR 2000-402602 20001214

PRIORITY APPLN. INFO.:

DK 1995-425 A 19950407
WO 1996-DK167 W 19960403

OTHER SOURCE(S): CASREACT 126:4221; MARPAT 126:4221

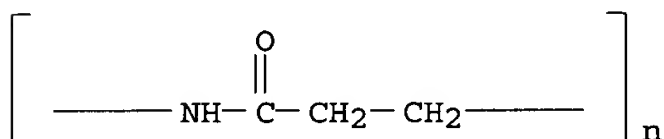
AB A method is disclosed for immobilizing a ligand on the surface of a carbon-containing substrate material, said method comprising a photochem. step of linking ≥ 1 photochem. reactive compds. to a carbon-containing material surface, wherein the photochem. reactive compound is a quinone compound containing a cyclic hydrocarbon or 2-10 fused cyclic hydrocarbons, with

at least 2 conjugated carbonyl groups, and wherein the photochem. step comprises irradiation of the photochem. reactive compound with nonionizing electromagnetic radiation having a wavelength in the range from UV to visible light. The products of this invention can be used as, e.g., carriers for solid-phase immunoassays.

IT 24937-14-2, Poly- β -alanine 25513-34-2,
Poly- β -alanine 25734-27-4, Polyglycine
RL: ARU (Analytical role, unclassified); NUU (Other use, unclassified);
ANST (Analytical study); USES (Uses)
(photochem. immobilization of ligands using quinones)

RN 24937-14-2 HCAPLUS

CN Poly[imino(1-oxo-1,3-propanediyl)] (9CI) (CA INDEX NAME)



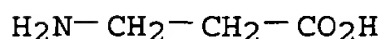
RN 25513-34-2 HCAPLUS

CN β -Alanine, homopolymer (9CI) (CA INDEX NAME)

CM 1

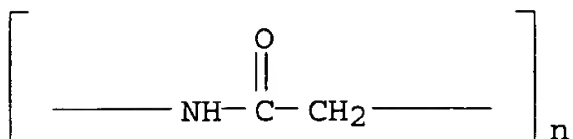
CRN 107-95-9

CMF C3 H7 N O2

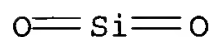


RN 25734-27-4 HCAPLUS

CN Poly[imino(1-oxo-1,2-ethanediyl)] (9CI) (CA INDEX NAME)



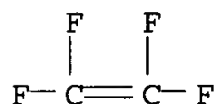
IT 7631-86-9, Silica, analysis 9002-84-0,
 Polytetrafluoroethylene
 RL: ARU (Analytical role, unclassified); NUU (Other use, unclassified);
 RCT (Reactant); ANST (Analytical study); RACT (Reactant or reagent); USES
 (Uses)
 (photochem. immobilization of ligands using quinones)
 RN 7631-86-9 HCAPLUS
 CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



RN 9002-84-0 HCAPLUS
 CN Ethene, tetrafluoro-, homopolymer (9CI) (CA INDEX NAME)

CM 1

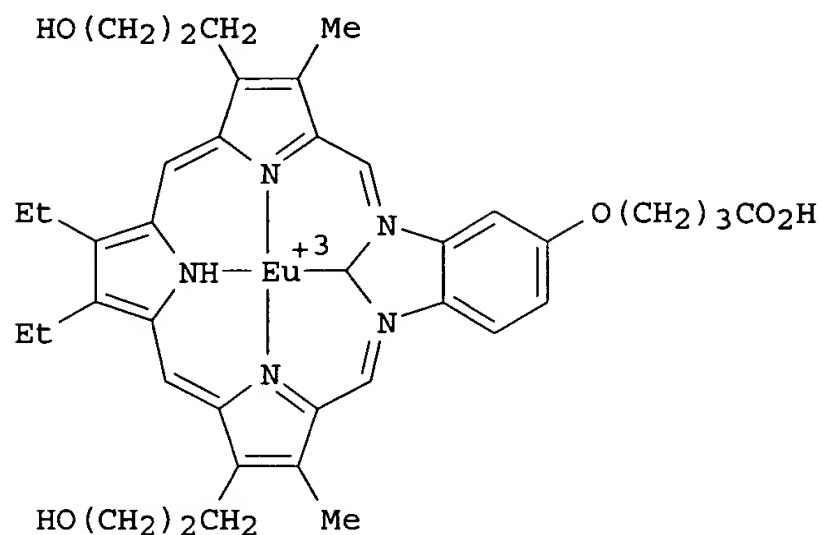
CRN 116-14-3
 CMF C2 F4



L16 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1996:56236 HCAPLUS
 DOCUMENT NUMBER: 124:81470
 TITLE: Texaphyrin immobilization on solid supports and
 medical devices
 INVENTOR(S): Sessler, Jonathan L.; Iverson, Brent L.; Kral,
 Vladimir; Thomas, Richard E.; Smith, Daniel A.; Magda,
 Darren
 PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA;
 Pharmacyclics, Inc.
 SOURCE: PCT Int. Appl., 128 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 7
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9529702	A1	19951109	WO 1995-US5421	19950428
W: JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 758250	A1	19970219	EP 1995-920377	19950428

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
 JP 09512557 T2 19971216 JP 1995-528480 19950428
 PRIORITY APPLN. INFO.: US 1994-236218 A 19940428
 WO 1995-US5421 W 19950428
 OTHER SOURCE(S): MARPAT 124:81470
 GI



AB Novel matrix-supported texaphyrins are provided in which a polymeric or solid matrix is covalently modified by the addition of ≥ 1 texaphyrin or texaphyrin derivative. Polymer-supported texaphyrins may be used as chromatog. supports, e.g., in the separation of neutral and anionic species, and in applications involving phosphate ester hydrolysis, other catalytic schemes, MRI, and photodynamic therapy. Thus, Eu-texaphyrincarboxylic acid I was treated with carbodiimide and 1-hydroxybenzotriazole and then coupled to 3-aminopropyl silica gel. A silica bead-supported lanthanide-texaphyrin complex was used to remove RNA contaminants from plasmid DNA by utilizing the susceptibility of RNA to hydrolysis by the lanthanide complex catalyst.

IT 1344-28-1, Alumina, uses 7631-86-9, Silica, uses

RL: NUU (Other use, unclassified); USES (Uses)

(texaphyrin immobilization on solid supports and medical devices)

RN 1344-28-1 HCAPLUS

CN Aluminum oxide (Al₂O₃) (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 7631-86-9 HCAPLUS

CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

O=Si=O

L16 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1994:293590 HCAPLUS

DOCUMENT NUMBER: 120:293590

TITLE: Separation method with auxiliary ligand-binder pairs in immunological detection of multiple analytes

INVENTOR(S): Abuknesha, Ramadan Arbi

PATENT ASSIGNEE(S): GEC-Marconi Ltd., UK

SOURCE: PCT Int. Appl., 71 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 6
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9403807	A1	19940217	WO 1993-GB1627	19930802
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
GB 2270976	A1	19940330	GB 1992-19743	19920918
GB 2261948	A1	19930602	GB 1992-24897	19921127
GB 2261949	A1	19930602	GB 1992-24898	19921127
EP 653065	A1	19950517	EP 1993-917967	19930802
EP 653065	B1	20021030		

R: DE, FR

PRIORITY APPLN. INFO.:

GB 1992-16450	A	19920803
GB 1992-16683	A	19920806
GB 1992-19743	A	19920918
GB 1992-20722	A	19921001
GB 1992-24897	A	19921127
GB 1992-24898	A	19921127
GB 1991-25204	A	19911127
GB 1991-25218	A	19911127
WO 1993-GB1627	W	19930802

AB A separation method which finds application in immunol. detection, a method suitable for use in detection, a sensor, and a test kit are disclosed. The invention provides a separation method suitable for use in an immunol. method for the detection of >1 species, which includes the use of >1 auxiliary ligand-binder pairs, the auxiliary ligand of each of the plurality of auxiliary ligand-binder pairs being provided on a support material. The invention also provides a separation method which includes the use of a plurality of auxiliary ligand-binder pairs, an auxiliary ligand of one auxiliary ligand-binder pair being provided on a support material and a binder of another auxiliary ligand-binder pair, which pair comprises an auxiliary ligand-auxiliary binder pair, being provided on a support material. The invention is useful for detection of multiple analytes. 17 β -Estradiol, progesterone and L-thyroxine were selected as analytes to illustrate the use of >1 auxiliary ligand-auxiliary binder pairs in sepns. of multiple analytes for immunol. detection. The auxiliary ligands used were 7-hydroxy-4-methylcoumarin-3propionic acid, 2-(4-aminophenyl)-6-methylthiazole hemiglutarate, and 2-phenyl-4-quinoline **carboxylic acid**; auxiliary binders were antibodies to these ligands.

IT 7631-86-9D, Silica, derivs., uses

RL: USES (Uses)

(auxiliary ligand immobilized on, in separation for multiple analyte immunol. detection)

RN 7631-86-9 HCAPLUS

CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

O=Si=O

L16 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1993:21939 HCAPLUS
 DOCUMENT NUMBER: 118:21939

TITLE: Process for preparing 2,3-dichloro-N,N-dimethylpropylamine
 INVENTOR(S): Ren, Sifang; Wang, Xianquan; Xu, Peiyuan
 PATENT ASSIGNEE(S): Shenyang Chemical Institute, Peop. Rep. China
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

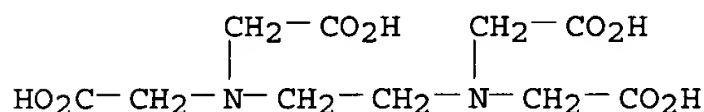
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1061957	A	19920617	CN 1990-106452	19901130
PRIORITY APPLN. INFO.:			CN 1990-106452	19901130

AB Me₂NCH₂CHClCH₂Cl (I), an intermediate for several **insecticides**, is prepared and purified. The purity is improved by addition of 0.05-10 weight% aliphatic or aromatic polyhydric compds., polybasic **carboxylic acids, polyamides**, etc. to adsorb and precipitate colloidal Fe(OH)₃. Oxalic acid (1.85 g) was added to 0.2 mol. aqueous I.HCl to solution, and 35-40% alkali was added to neutralization to give 97.7% I. Also used were EDTA, hexaacetylenetetramine, citric acid, and catechol.

IT 60-00-4, EDTA, uses
 RL: USES (Uses)
 (additive, for removal of iron hydroxide in purification of dichlorodimethylpropylamine)

RN 60-00-4 HCAPLUS

CN Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)- (9CI) (CA INDEX NAME)



L16 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1989:513732 HCAPLUS
 DOCUMENT NUMBER: 111:113732
 TITLE: Method for resolution of stereoisomers in multiphase and extractive membrane reactors
 INVENTOR(S): Matson, Stephen L.
 PATENT ASSIGNEE(S): Sepracor, Inc., USA
 SOURCE: PCT Int. Appl., 130 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8807582	A1	19881006	WO 1988-US1098	19880331
W: AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, RO, SD, SU				
RW: AT, BE, BJ, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
US 4800162	A	19890124	US 1987-33962	19870401
IN 166947	A	19900811	IN 1988-MA205	19880330

AU 8816814	A1	19881102	AU 1988-16814	19880331
AU 605589	B2	19910117		
EP 353248	A1	19900207	EP 1988-904053	19880331
EP 353248	B1	19950329		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
BR 8807438	A	19900410	BR 1988-7438	19880331
JP 02502875	T2	19900913	JP 1988-503756	19880331
IL 85938	A1	19930708	IL 1988-85938	19880331
AT 120495	E	19950415	AT 1988-904053	19880331
CA 1266248	A1	19900227	CA 1988-563328	19880405
KR 9705052	B1	19970411	KR 1988-71515	19881122
DK 8904818	A	19891201	DK 1989-4818	19890929
SU 1825378	A3	19930630	SU 1989-4742278	19890929

PRIORITY APPLN. INFO.:

US 1987-33962	A	19870401
WO 1988-US1098	A	19880331

AB Novel methods utilizing multiphase extractive membrane bioreactors are disclosed that selectively produce pure or substantially purified optically active compds. from achiral precursors or mixts. of isomers. The invention involves the use of fluids immiscible with one another on the opposite sides of an enzyme-containing membrane. A multiphase reactor used for resolving naproxen comprises a solvent-resistant membrane module fabricated with polyacrylonitrile and ultrafiltration hollow fibers wherein lipase of *Candida cylindracea* was entrapped. The Me ester of naproxen 42 g was slowly added to Me iso-Bu ketone 225 mL to final concentrate 0.75 M and the pH was controlled at 8.5. The organic solution of the naproxen ester was passed through the apparatus and optically active naproxen was collected in the aqueous phase. The hydrolytic rate for the 1st 45 min was 35 $\mu\text{mol/h}$ and 9-14 $\mu\text{mol/h}$ for the next 36 h.

IT 9002-84-0, Polytetrafluoroethylene

RL: BIOL (Biological study)

(membranes of, in multiphase and extractive enzyme reactors for stereoisomer resolution)

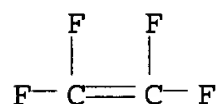
RN 9002-84-0 HCAPLUS

CN Ethene, tetrafluoro-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 116-14-3

CMF C2 F4



IT 9016-18-6, Carboxyl esterase

RL: BIOL (Biological study)

(multiphase and extractive membrane reactors containing, for stereoisomer resolution)

RN 9016-18-6 HCAPLUS

CN Esterase, carboxyl (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

=> => d stat que

L1 727 SEA FILE=REGISTRY ABB=ON PLU=ON POLYAMIDES OR NYLON OR
NYLONS OR POLYACETAL OR POLYACETALS

L2 471 SEA FILE=REGISTRY ABB=ON PLU=ON CARBOXYLIC ACID?/CN OR

L3 269 SEA FILE=REGISTRY ABB=ON PLU=ON PERMETHRIN OR PYRETHRIN? OR
 PYRETHROI?
 L4 15263 SEA FILE=REGISTRY ABB=ON PLU=ON INORGANIC(L)FIBER OR FIBROUS
 OR TITANATE OR TITANIA OR SILICA OR WOLLASTONIT? OR ZONO?
 L5 198084 SEA FILE=HCAPLUS ABB=ON PLU=ON L1 OR POLYAMIDE OR NYLON OR
 NYLONS OR POLYACETAL OR POLYACETALS
 L6 289693 SEA FILE=HCAPLUS ABB=ON PLU=ON L2 OR (CARBOXYLIC OR SULFONIC
 OR SULPHONIC) (W)ACID? OR (SULFONE OR SULPHONE) (L)AMIDE?
 L7 16709 SEA FILE=HCAPLUS ABB=ON PLU=ON L3 OR PERMETHRIN OR PYRETHRIN?
 OR PYRETHROI?
 L8 1099753 SEA FILE=HCAPLUS ABB=ON PLU=ON L4 OR INORGANIC(L)FIBER OR
 FIBROUS OR TITANATE OR TITANIA OR SILICA OR WOLLASTONIT? OR
 ZONO?
 L9 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6 AND L7 AND L8
 L10 6783 SEA FILE=REGISTRY ABB=ON PLU=ON RESIN OR RESINS OR POLYAMIDE
 OR POLYACETL
 L11 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6 AND L7
 L12 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 NOT L9
 L13 7863 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6
 L14 45 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 AND (?INSECT? OR ?PESTIC?
 OR PEST(5A)GROW? OR ?MITICIDE?)
 L15 10 SEA FILE=HCAPLUS ABB=ON PLU=ON L14 AND L8
 L16 9 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 NOT (L9 OR L12)
 L17 143469 SEA FILE=REGISTRY ABB=ON PLU=ON SILICON OR CARBAMATE
 L18 629 SEA FILE=REGISTRY ABB=ON PLU=ON CHLORONICOTIN? OR IMIDACLOPRI
 D OR SILAFLUOFEN OR BENFURACARB OR ALANICARB OR METOXADIAZONE
 OR CARBOSULFAN OR PHENOBCARB OR CARBARYL OR METHOMYL OR
 PROPOXUR OR PHENOXYCARB OR PYRETHROID? OR PYRETHRIN?
 L19 325 SEA FILE=REGISTRY ABB=ON PLU=ON ALLETHRIN OR RESMETHRIN OR
 BIOALLETHRIN OR PHTHALTHRIN OR RESMETHRIN OR FURAMETHRIN OR
 PROPARTH? OR PERMETHRIN OR PERMETHRINE OR ACRINATHRIN OR
 ETOFENPROX OR TRALOMETHRIN OR PHENOTHRIN OR FENVALER?
 L20 307 SEA FILE=REGISTRY ABB=ON PLU=ON EMPENTHRIN OR PRARETHRIN OR
 TEFLUTHRIN OR DICHLOOVOS OR FENITROTHION OR DIAZINON OR
 MALATHION OR PROPAPHOS OR FENTHION OR TRICHLORFON OR NALED OR
 TEMEPHOS OR FENCLOPHOS OR CHLORPYRIPHOS? OR CIAFOS
 L21 84 SEA FILE=REGISTRY ABB=ON PLU=ON CALCROFOS OR AZAMETHIPHOS OR
 PYRIDAFENTHIO? OR PROPETAMPPOS OR CHLOROPYRIPHOS OR METHOPRENE
 OR PYRIPROXYFEN OR KINOPRENE OR HYDROPRENE OR DIOFENOLAN OR
 NC-170/CN OR FLUFENOXURON OR DIFLUBENZURON
 L22 139 SEA FILE=REGISTRY ABB=ON PLU=ON LUFENURON OR CHLORFLUAZURON
 OR MITICIDE OR KELTHANE OR CHLORFENAPYR OR TEBUFENPYRAD OR
 PYRIDABEN OR MILBEMECTIN OR FENPYROXIMATE
 L23 1404196 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 OR SILICON OR CARBAMATE
 L24 29733 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 OR CHLORONICOTIN? OR
 IMIDACLOPRID OR SILAFLUOFEN OR BENFURACARB OR ALANICARB OR
 METOXADIAZONE OR CARBOSULFAN OR PHENOBCARB OR CARBARYL OR
 METHOMYL OR PROPOXUR OR PHENOXYCARB OR PYRETHROID? OR PYRETHRIN
 ?
 L25 13456 SEA FILE=HCAPLUS ABB=ON PLU=ON L19 OR ALLETHRIN OR RESMETHRIN
 OR BIOALLETHRIN OR PHTHALTHRIN OR RESMETHRIN OR FURAMETHRIN
 OR PROPARTH? OR PERMETHRIN OR PERMETHRINE OR ACRINATHRIN OR
 ETOFENPROX OR TRALOMETHRIN OR PHENOTHRIN OR FENVALER?
 L26 35745 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 OR EMPENTHRIN OR PRARETHRI
 N OR TEFLUTHRIN OR DICHLOOVOS OR FENITROTHION OR DIAZINON OR
 MALATHION OR PROPAPHOS OR FENTHION OR TRICHLORFON OR NALED OR
 TEMEPHOS OR FENCLOPHOS OR CHLORPYRIPHOS? OR CIAFOS
 L27 11612 SEA FILE=HCAPLUS ABB=ON PLU=ON L21 OR CALCROFOS OR AZAMETHIPH
 OS OR PYRIDAFENTHIO? OR PROPETAMPPOS OR CHLOROPYRIPHOS OR

METHOPRENE OR PYRIPROXYFEN OR KINOPRENE OR HYDROPRENE OR
DIOFENOLAN OR NC(W)170 OR FLUFENOXURON OR DIFLUBENZURON

L28 5275 SEA FILE=HCAPLUS ABB=ON PLU=ON L22 OR LUFENURON OR CHLORFLUAZ
URON OR MITICIDE OR KELTHANE OR CHLORFENAPYR OR TEBUFENPYRAD
OR PYRIDABEN OR MILBEMECTIN OR FENPYROXIMATE

L29 1187801 SEA FILE=HCAPLUS ABB=ON PLU=ON L10 OR RESIN

L30 1280976 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 OR L29

L31 3507 SEA FILE=HCAPLUS ABB=ON PLU=ON L30 AND L6 AND (L23 OR L24 OR
L25 OR L26 OR L27 OR L28)

L32 1971 SEA FILE=HCAPLUS ABB=ON PLU=ON L31 AND L4

L33 38 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND (?INSECT? OR ?PESTIC?
OR PEST(5A)GROW? OR ?MITICIDE?)

L34 30 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 NOT (L9 OR L12 OR L16)

=> d ibib abs hitstr l34 1-30

L34 ANSWER 1 OF 30 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1201004 HCAPLUS

DOCUMENT NUMBER: 143:465611

TITLE: Personal care compositions comprising a silicone
resin with enhanced sun protection properties,
method of manufacture, and method of use thereof

INVENTOR(S): Rojas-Wahl, Roy U.; Kuo, An-Li; Rajaraman, Suresh K.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005249690	A1	20051110	US 2005-105750	20050414
PRIORITY APPLN. INFO.:			US 2004-569725P	P 20040510

AB The present invention relates to personal care compns., and in particular
to personal care compns. comprising a silicone **resin** that
provide enhanced sun protection. Specifically, the composition comprises a
silicone **resin** of the generic formula: MQ, wherein the ratio of
M to Q is about from 0.01/1 to about 3.96/1; MxDyTz, wherein x is about
0.01 to about 3,900,000, y is about 0.035 to about 10,000,000, z is about
0.35 to about 8,000,000; TD, wherein the ratio of T to D is about 0.001/1
to about 73/1; or a combination comprising at least one of the foregoing
resins, wherein the **resin** or **resin** combination
is present in an amount effective to increase the SPF of the formulation at
least about 10% over the same formulation without the **resin** or
resin combination. The silicone **resins** are easily
formulated, provide a unique non-tacky sensory experience and exhibit
advantageous spreadability while permitting the introduction of addnl.
functional benefits such as homogeneity, better organic compatibility,
reduced skin irritation and improved skin feel or shine.

IT 409-21-2, SiC, biological studies 12047-27-7, Barium
Titanate, biological studies 12049-50-2, Calcium titanium oxide
(CaTiO3) 12060-59-2, Strontium Titanate

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(personal care compns. comprising silicone **resin** with
enhanced sun protection properties, method of manufacture, and method of use
thereof)

RN 409-21-2 HCAPLUS